

Section 6B Review

Simplify. Write each answer in lowest terms.

1. $6 - 1\frac{3}{14}$

2. $3\frac{1}{6} - 1\frac{7}{9}$

3. $3 + 5\frac{7}{16}$

4. $10\frac{1}{4} + 17\frac{1}{4}$

5. $7 + 4\frac{2}{5}$

6. $8\frac{5}{17} + 1\frac{2}{17}$

7. $23\frac{3}{5} - 13\frac{2}{7}$

8. $10 - 7\frac{13}{16}$

9. $12\frac{3}{7} + 3\frac{2}{3}$

10. $9\frac{1}{2} - 6\frac{4}{9}$

11. $2\frac{2}{3} + 5\frac{1}{12}$

12. $3\frac{1}{5} + 1\frac{7}{8}$

13. $2\frac{1}{9} + 10$

14. $2\frac{4}{5} + 4\frac{4}{7}$

15. $6\frac{11}{20} - 4\frac{9}{10}$

16. $20\frac{5}{6} + 6\frac{2}{7}$

17. At Paul's Pet Palace, $\frac{3}{16}$ of the animals are dogs and $\frac{5}{24}$ of the animals are cats. What fraction of the animals are neither dogs nor cats? _____

18. At a school music festival, Judy played saxophone for $2\frac{2}{3}$ hours, Carol sang for $1\frac{3}{4}$ hours, Bob played saxophone for $1\frac{1}{4}$ hours, and Ross sang for $2\frac{3}{8}$ hours.

a. Who had more time, the saxophone players or the singers? _____

b. How much more? _____

19. Steve bought $2\frac{3}{4}$ lb of broccoli, $1\frac{1}{3}$ lb of carrots, and $\frac{7}{8}$ lb of cauliflower. Estimate the total amount of vegetables. _____

20. The average commute time for workers in New York is 30.6 minutes. This is 4.2 minutes longer than the average time in Los Angeles. Set up an equation and solve to find the average time in Los Angeles. [Lesson 3-12]

21. A typical drink coaster is about 0.045 inches thick. Write this amount as a fraction in lowest terms. [Lesson 5-7]
